

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P199945

Luminaire Tested: **GWC-AF-01-LED-E1-RW-7030-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-AF-01-LED-E1-RW-7030-1200  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6895.3 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G3

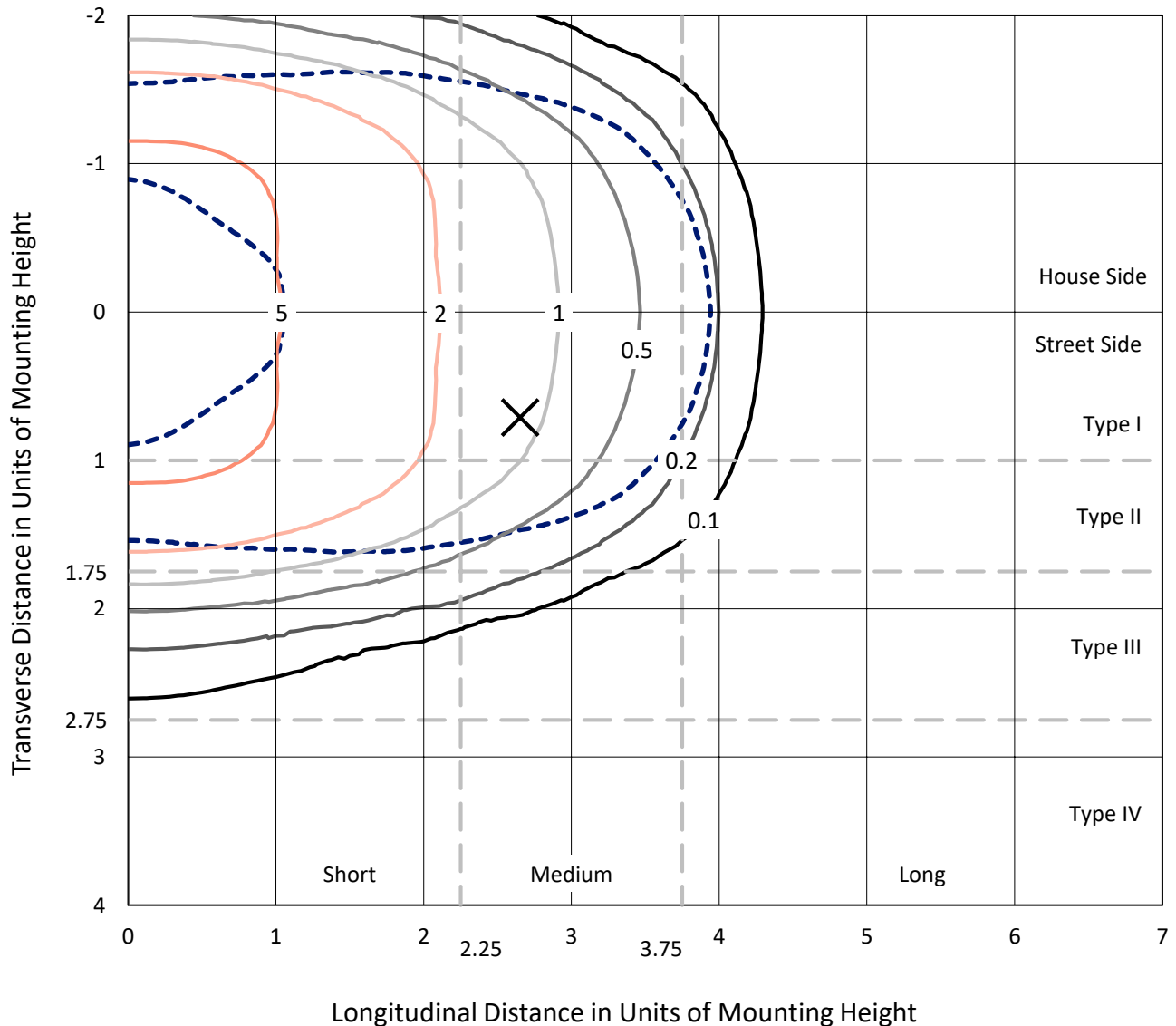
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

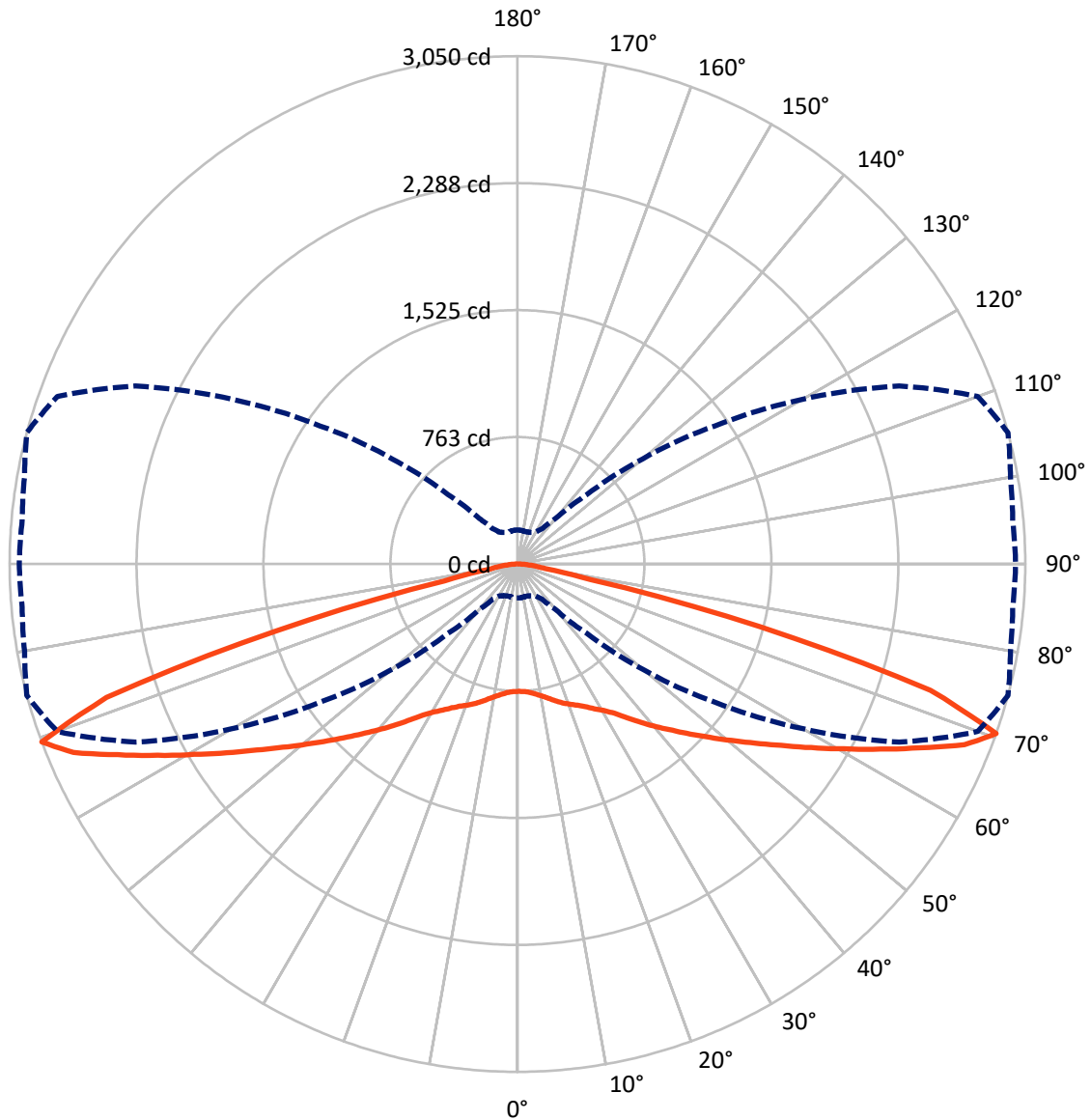
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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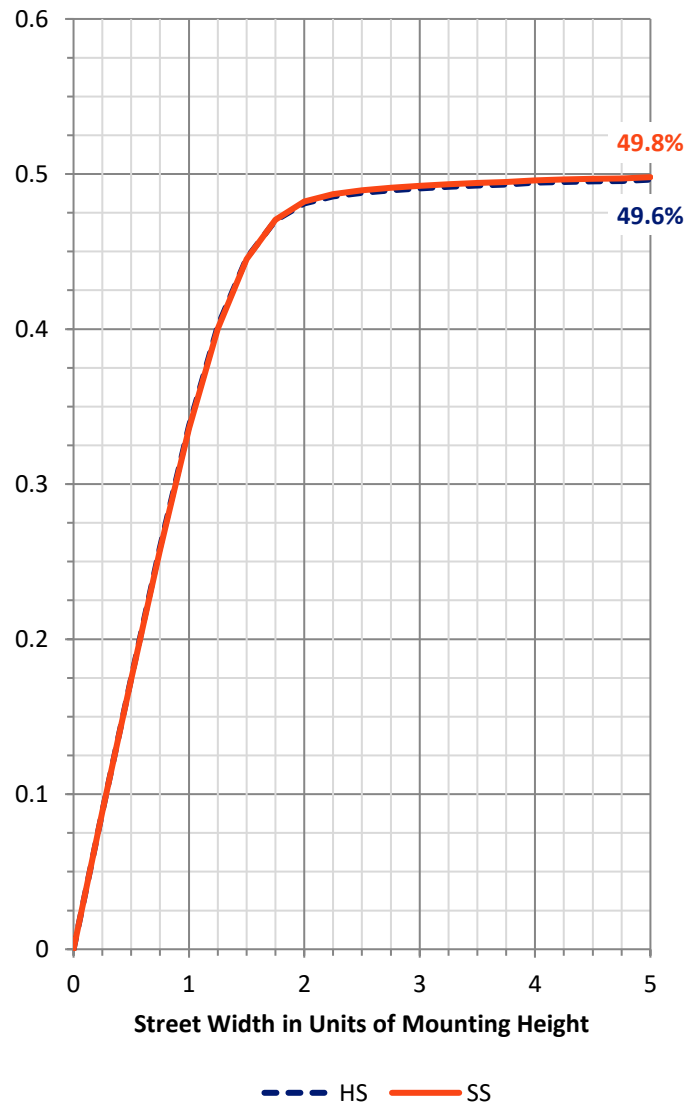
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3447.7	0.0	3447.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3447.7	0.0	3447.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6895.3	0.0	6895.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	1.1
10°-20°	227.9	3.3
20°-30°	429.0	6.2
30°-40°	759.7	11.0
40°-50°	1270.4	18.4
50°-60°	1770.3	25.7
60°-70°	1641.7	23.8
70°-80°	654.3	9.5
80°-90°	68.8	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6895.3	100.0
0°-180°	6895.3	100.0



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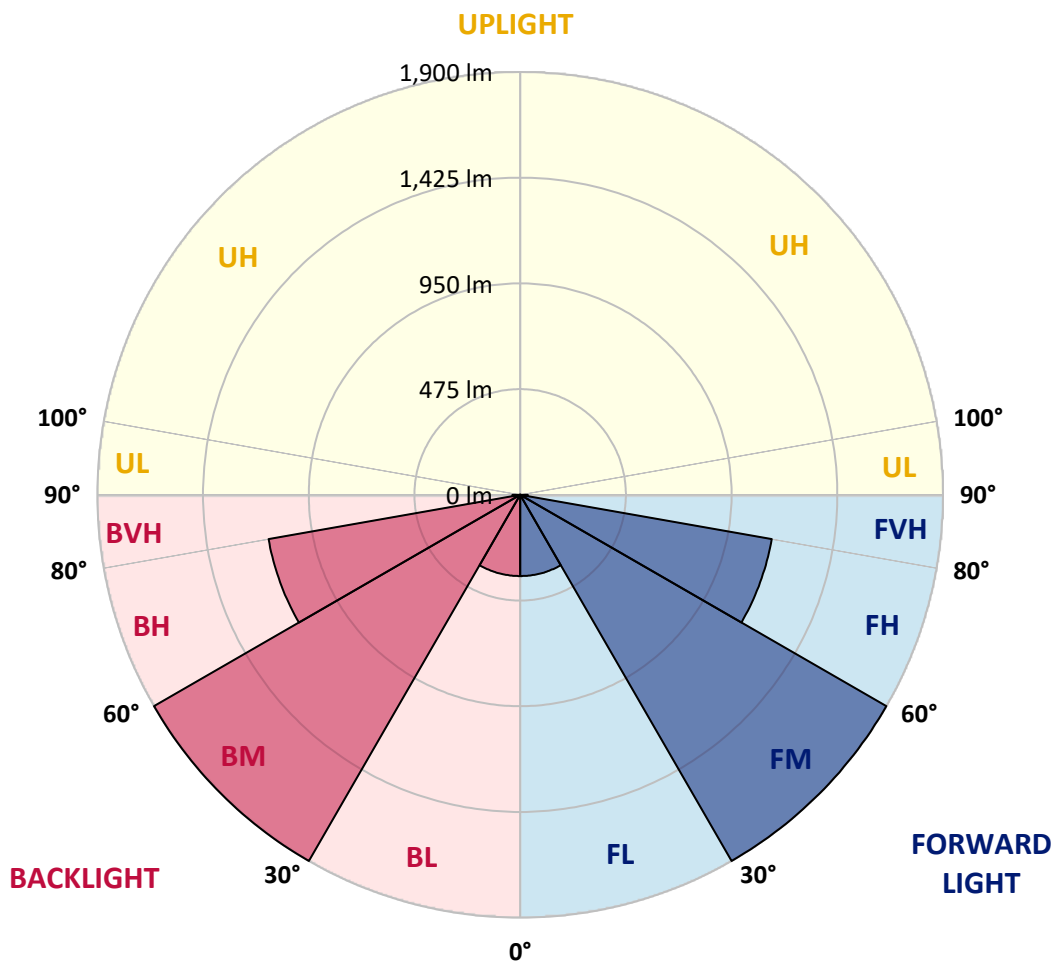
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.1	5.3			
FM	(30°-60°)	1900.2	27.6			
FH	(60°-80°)	1148.0	16.6			G1/1800
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	365.1	5.3	B1/500		
BM	(30°-60°)	1900.2	27.6	B2/2500		
BH	(60°-80°)	1148.0	16.6	B3/2500		G3/2500
BVH	(80°-90°)	34.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	763.5	762.8	763.5	763.1	763.8	763.8	764.5	765.8	765.8	766.8	766.5
5°	756.1	755.7	756.7	757.7	758.7	760.7	762.5	765.5	767.8	769.4	771.1
7.5°	741.5	741.5	742.8	744.9	747.3	751.4	756.1	762.0	767.8	772.7	777.0
10°	729.3	730.0	731.6	735.6	739.4	745.9	752.1	760.7	768.7	777.0	783.4
12.5°	722.2	723.2	726.0	731.9	738.5	747.3	756.7	767.4	776.7	786.3	792.9
15°	724.5	725.1	729.3	736.5	744.9	756.1	768.7	781.4	792.2	802.6	811.5
17.5°	737.2	738.1	743.1	751.1	760.0	773.0	786.6	801.0	814.4	826.1	836.9
20°	760.0	761.0	767.1	776.0	786.3	799.8	813.4	828.4	843.4	855.8	867.8
22.5°	792.2	793.9	799.8	808.5	820.2	834.6	850.9	866.9	881.1	892.6	903.3
25°	834.6	838.1	843.7	853.6	865.9	878.9	896.5	912.9	926.5	937.2	945.1
27.5°	894.5	899.4	903.7	913.1	925.2	937.6	955.2	969.4	982.6	992.9	998.8
30°	974.0	979.0	983.3	992.3	1003.4	1015.1	1031.7	1044.5	1052.6	1060.8	1060.5
32.5°	1070.5	1075.7	1077.4	1087.1	1098.6	1111.2	1126.3	1133.4	1139.9	1140.8	1135.1
35°	1178.4	1181.0	1187.5	1200.5	1213.7	1224.0	1238.4	1242.0	1242.0	1237.1	1224.0
37.5°	1296.7	1298.3	1307.5	1322.1	1335.4	1346.2	1356.0	1363.2	1359.6	1349.2	1327.3
40°	1426.4	1429.3	1442.3	1455.5	1470.4	1480.5	1491.0	1492.3	1488.6	1473.4	1443.7
42.5°	1550.3	1552.9	1565.9	1586.5	1606.0	1620.0	1629.7	1631.7	1620.4	1606.3	1569.5
45°	1656.8	1663.7	1680.6	1704.7	1733.1	1752.9	1766.2	1771.8	1761.7	1743.4	1700.8
47.5°	1741.3	1748.0	1772.1	1800.8	1836.0	1868.4	1890.5	1902.2	1899.6	1886.0	1839.3
50°	1803.1	1809.7	1835.7	1870.9	1911.9	1952.0	1989.8	2017.9	2027.7	2021.6	1978.8
52.5°	1810.3	1821.1	1851.7	1898.9	1952.4	2007.1	2060.9	2108.4	2140.7	2145.7	2114.0
55°	1710.2	1721.1	1763.3	1833.5	1912.9	2002.2	2088.3	2168.5	2231.9	2264.6	2248.0
57.5°	1474.4	1493.6	1538.2	1620.4	1737.3	1870.9	2008.0	2150.5	2279.9	2366.2	2382.8
60°	1129.8	1152.6	1197.6	1285.0	1415.4	1574.7	1757.9	1968.3	2196.7	2391.0	2507.1
62.5°	724.7	746.2	793.6	869.4	975.6	1148.5	1345.0	1594.8	1901.8	2208.5	2484.9
65°	372.5	384.3	408.9	454.9	537.7	666.8	843.1	1092.4	1443.4	1821.7	2221.2
67.5°	235.9	238.1	243.7	250.3	271.5	316.1	398.2	553.7	842.4	1237.1	1704.7
70°	204.0	204.0	201.4	200.4	203.0	209.2	221.9	258.1	355.5	587.3	983.3
72.5°	186.8	184.7	180.2	176.7	176.0	176.0	178.6	184.1	199.7	239.2	384.9
75°	172.1	166.5	160.3	156.1	154.5	152.9	152.5	153.5	156.8	162.9	183.8
77.5°	154.2	147.0	139.9	135.6	133.7	131.3	129.4	127.1	125.4	127.4	136.6
80°	132.6	124.4	119.0	116.4	114.4	111.1	106.8	103.0	99.4	98.8	104.3
82.5°	106.8	97.5	97.8	98.8	95.2	90.5	86.0	81.8	75.6	72.3	75.6
85°	86.4	81.5	79.2	85.3	80.2	73.3	66.1	58.7	48.8	41.1	44.7
87.5°	33.6	33.6	50.1	77.2	69.4	56.7	48.5	41.4	25.7	19.8	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	766.1	766.8	766.5	766.1	766.1	765.8	766.1	766.1
5°	772.0	773.7	773.7	774.3	774.3	774.6	774.9	774.6
7.5°	780.8	783.7	785.7	788.0	788.3	788.7	789.3	788.7
10°	789.6	795.5	799.8	803.9	805.9	806.6	807.2	807.2
12.5°	800.7	808.8	816.3	823.9	827.4	829.4	829.4	830.7
15°	818.9	827.1	836.0	846.0	852.2	855.5	856.5	856.5
17.5°	844.7	851.9	859.4	869.1	877.0	881.1	882.2	881.8
20°	874.7	881.5	885.8	892.0	898.7	903.7	905.0	905.0
22.5°	908.9	912.9	913.4	915.4	920.9	927.5	930.5	931.1
25°	946.7	947.8	945.1	945.1	948.7	954.8	957.7	958.1
27.5°	995.6	990.7	984.2	981.9	984.2	991.3	995.0	996.2
30°	1056.5	1044.7	1029.8	1021.7	1020.4	1029.8	1036.4	1037.3
32.5°	1126.3	1109.3	1089.5	1072.8	1068.5	1074.4	1082.3	1082.0
35°	1209.1	1188.8	1164.7	1143.5	1133.8	1139.6	1150.7	1152.0
37.5°	1304.5	1278.2	1250.5	1223.7	1208.4	1210.0	1221.7	1225.7
40°	1411.1	1376.8	1342.0	1306.2	1284.4	1280.1	1294.4	1296.7
42.5°	1525.1	1481.1	1437.2	1392.8	1364.7	1358.3	1374.9	1373.9
45°	1646.7	1590.7	1539.1	1490.3	1457.1	1447.2	1460.9	1460.9
47.5°	1777.4	1708.3	1647.1	1591.6	1555.5	1541.4	1554.4	1555.5
50°	1915.9	1842.5	1770.5	1709.0	1665.6	1647.6	1664.7	1667.2
52.5°	2053.7	1982.4	1909.8	1839.3	1786.8	1765.0	1784.5	1793.1
55°	2193.5	2123.5	2054.1	1985.4	1923.1	1897.3	1918.1	1929.0
57.5°	2341.2	2276.3	2210.2	2140.7	2080.8	2040.8	2062.9	2077.2
60°	2514.2	2458.8	2390.0	2313.4	2252.8	2212.1	2224.8	2237.5
62.5°	2651.0	2672.6	2614.2	2525.6	2447.7	2395.6	2408.0	2421.3
65°	2585.0	2805.6	2857.3	2767.7	2659.9	2578.7	2573.5	2580.3
67.5°	2160.6	2589.1	2901.7	2987.0	2896.8	2784.0	2763.1	2773.3
70°	1445.3	1979.1	2530.6	2941.2	3050.3	3006.6	2986.0	2992.3
72.5°	694.2	1152.6	1716.8	2262.6	2595.0	2747.6	2796.4	2820.2
75°	253.9	457.6	827.4	1246.8	1505.3	1742.4	1897.3	1960.5
77.5°	153.2	184.7	264.3	397.9	450.7	504.4	483.6	494.1
80°	113.4	128.1	145.0	162.9	168.8	168.8	162.2	157.2
82.5°	79.5	88.9	97.1	106.8	109.5	104.6	86.0	68.4
85°	51.2	55.4	59.0	65.2	63.6	60.6	40.8	36.2
87.5°	23.5	26.8	28.1	30.9	29.6	28.3	20.2	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)